

M116 M210 M213 M214 M231 M232 M240 M273 M280 M281 M282 M312 M320  
 M321 M322 M323 M331 M340 M342 M373 M383 M391 M392 M413 M510 M521  
 M530 M531 M532 M533 M540 M541 M542 M543 M720 M800 M903 M904 N224  
 N233 N261 N305 N331 N343 N480 N511 9414-15901-P  
 Generic Compound Numbers: 9414-15901-P

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WPI Acc No: 1987-140944/198720

XRAM Acc No: C87-058857

Highly stereoselective synthesis of beta-lactam deriv. - by  
 treating lithium enolate of organic ester with organic imine cpd. in  
 polar solvent

Patent Assignee: TOHYOH STAUFER CHEM (TOHY-N)

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| JP 62081368 | A    | 19870414 | JP 85219681 | A    | 19851002 | 198720 B |
| JP 91068020 | B    | 19911025 | JP 85219681 | A    | 19851002 | 199147   |

Priority Applications (No Type Date): JP 85219681 A 19851002

Patent Details:

| Patent No   | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|----------|--------------|
| JP 62081368 | A    |     | 5  |          |              |

Abstract (Basic): JP 62081368 A

Beta-lactam deriv. is selectively synthesised by treating lithium  
 enolate of organic ester with organic imine cpd. in polar solvent.

As organic imine cpd. imine coordinated with trialkylaluminium may  
 be used. When the cpd. is used as imine, cis prod. may be synthesised in  
 high stereoselectivity of 100%.

USE/ADVANTAGE - Highly stereoselective synthesis of lactam derivs.  
 Prods. are useful as pharmaceuticals.

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Title Terms: HIGH; STEREOSELECTIVE; SYNTHESIS; BETA; LACTAM; DERIVATIVE;  
 TREAT; LITHIUM; ENOLATE; ORGANIC; ESTER; ORGANIC; IMINE; COMPOUND; POLE;  
 SOLVENT

Derwent Class: B03

International Patent Class (Additional): C07D-205/08

File Segment: CPI

Manual Codes (CPI/A-N): B07-D01

Chemical Fragment Codes (M2):

\*01\* F011 F012 F013 F014 F410 G010 G019 G100 H2 H211 J5 J521 L9 L941 M1  
 M113 M210 M212 M213 M232 M240 M281 M320 M413 M510 M521 M532 M540  
 M720 M903 M904 N104 N114 N223 N241 N305 N311 N312 N321 N331 N343  
 N421 N511 8720-17101-P

Generic Compound Numbers: 8720-17101-P

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